

Datasheet for ABIN2891794  
**anti-MTOR antibody (Pro2476)**



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## Overview

|                      |                                                                                                                |
|----------------------|----------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                         |
| Target:              | MTOR (mTOR)                                                                                                    |
| Binding Specificity: | Pro2476                                                                                                        |
| Reactivity:          | Human, Mouse, Rat                                                                                              |
| Host:                | Rabbit                                                                                                         |
| Clonality:           | Polyclonal                                                                                                     |
| Conjugate:           | This MTOR antibody is un-conjugated                                                                            |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

## Product Details

|               |                                                |
|---------------|------------------------------------------------|
| Immunogen:    | Synthetic peptide around Pro2476 of human MTOR |
|               | Type of Immunogen: Synthetic peptide           |
| Specificity:  | Human MTOR                                     |
| Purification: | Immunoaffinity purified                        |

## Target Details

|                   |                                        |
|-------------------|----------------------------------------|
| Target:           | MTOR (mTOR)                            |
| Alternative Name: | MTOR ( <a href="#">mTOR Products</a> ) |
| Background:       | Name/Gene ID: MTOR                     |

## Target Details

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|           | Subfamily: PI3/PI4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|           | Family: Protein Kinase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|           | Synonyms: MTOR, FRAP1, FRAP2, FRAP, Mammalian target of rapamycin, RAFT1, Rapamycin and FKBP12 target 1, RAPT1, Rapamycin target protein 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Gene ID:  | 2475                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| UniProt:  | <a href="#">P42345</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Pathways: | <a href="#">PI3K-Akt Signaling</a> , <a href="#">RTK Signaling</a> , <a href="#">AMPK Signaling</a> , <a href="#">Interferon-gamma Pathway</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Regulation of Actin Filament Polymerization</a> , <a href="#">Regulation of Muscle Cell Differentiation</a> , <a href="#">Regulation of Cell Size</a> , <a href="#">Skeletal Muscle Fiber Development</a> , <a href="#">Regulation of Carbohydrate Metabolic Process</a> , <a href="#">Autophagy</a> , <a href="#">CXCR4-mediated Signaling Events</a> , <a href="#">BCR Signaling</a> , <a href="#">Warburg Effect</a> |

## Application Details

|                    |                                                                    |
|--------------------|--------------------------------------------------------------------|
| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Comment:           | Target Species of Antibody: Human                                  |
| Restrictions:      | For Research Use only                                              |

## Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Concentration:     | Lot specific                                                                                                           |
| Buffer:            | PBS, pH 7.2, 0.05 % sodium azide                                                                                       |
| Preservative:      | Sodium azide                                                                                                           |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice:   | Avoid repeated freezing and thawing.                                                                                   |
| Storage:           | 4 °C, -20 °C                                                                                                           |
| Storage Comment:   | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.                               |